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FIG. 1

Indy ORF

atggaaattgaaattggcgaaacaacccagcctcgggtgaagtgtcceaacttcttcgctaaccactggaagggattggt
tgtgttctcgggtgcgctgctatgtctgcctgttatgtctgctaaacgaaggcgccgaatttcgggtgcatgtacctcttt
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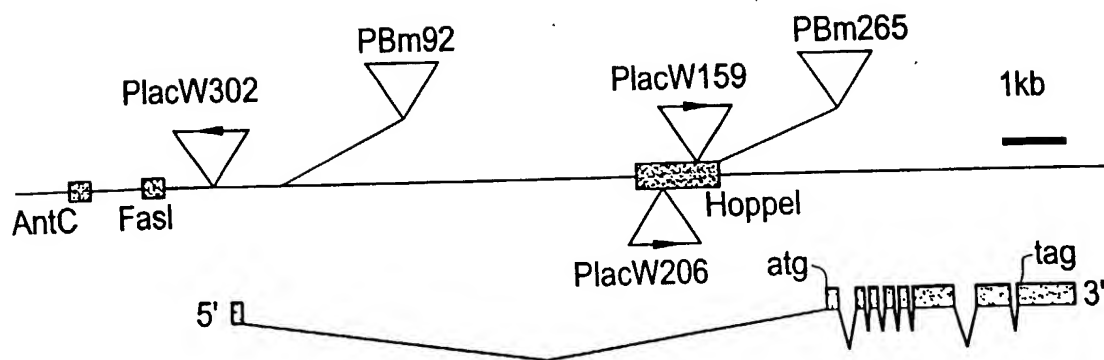
FIG. 2

MEIEIGEQQPPVKCSNFFANHWKGLVVFLVPLLCLPVMLLNEGAEFRM
YLLLVMAIFWVTEALPLYVTSMIPIVAFPIMGIMSSDQTCRLYFKDTLVM
FMGGIMVALAVEYCNLHKRLALRVIQIVGCSPRRLHFGLIMVTMFLSMWI
SNAACTAMMCPIIQAVLEELQAQGVCKINHEPQYQIVGGNKKKNEDEPPY
PTKITLCYYLGIAYASSLGCGTIIGTATNLTFKGIYEARFKNSTEQMDF
PTFMFYSVPSMLVYTLLTFVFLQWHFMGLWRPKSKEAQEVQREGADVA
KKVIDQRYKDLGPMSIHEIQVMILFIFMVVMYFTRKPGIFLGWADLLNSK
DIRNSMPTIFVVVMCFMLPANYAFLRYCTRRGGPVPTGPTPSLITWKFIQ
TKVPWGLVFLLGGFALAEGSKQSGMAKLIGNALIGLKVLPNSVLLLVI
LVAVFLTAFSSNVAIANIIPVLAEMSLAIEIHPLYLILPAGLACSMFAH
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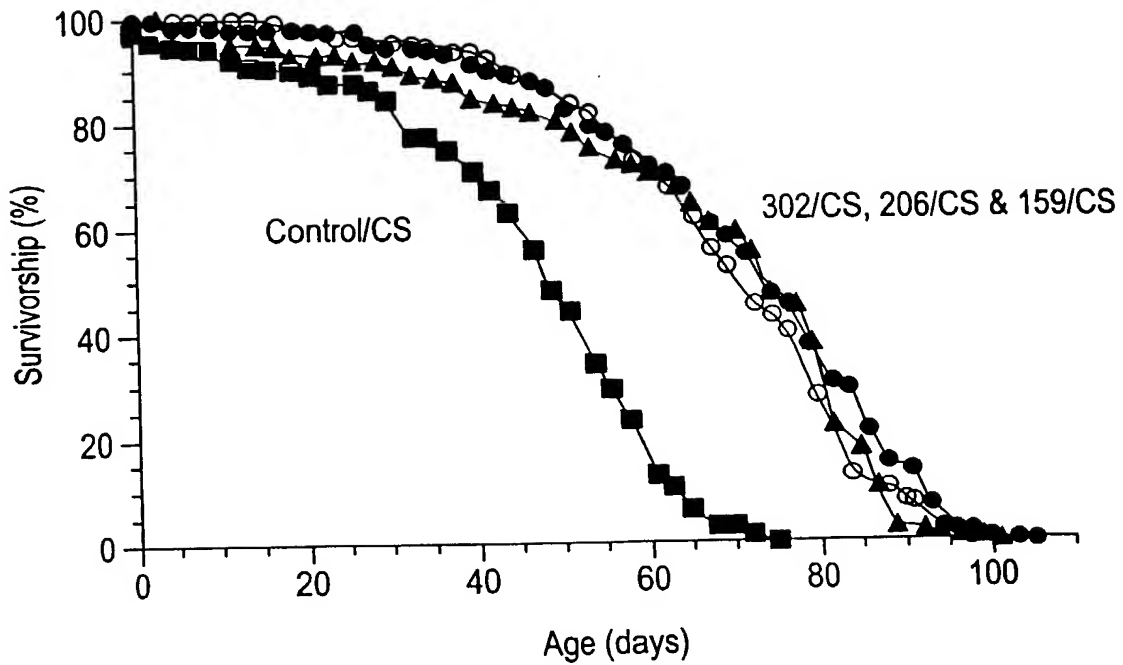
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FIG. 3



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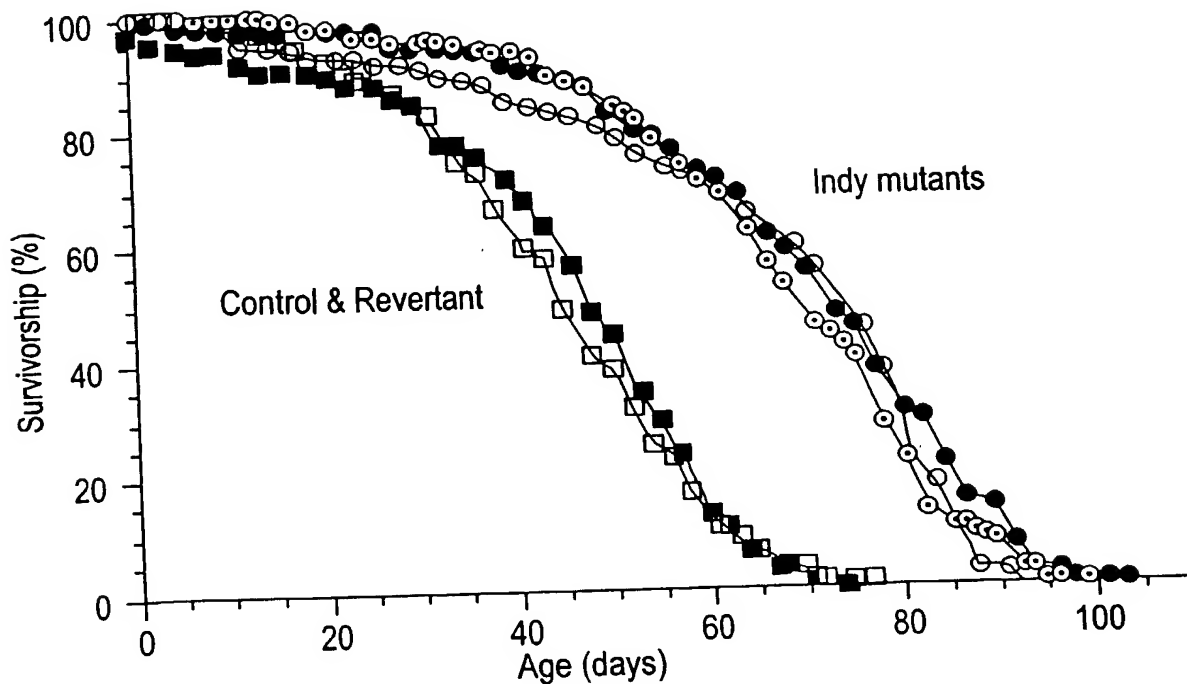
FIG. 4





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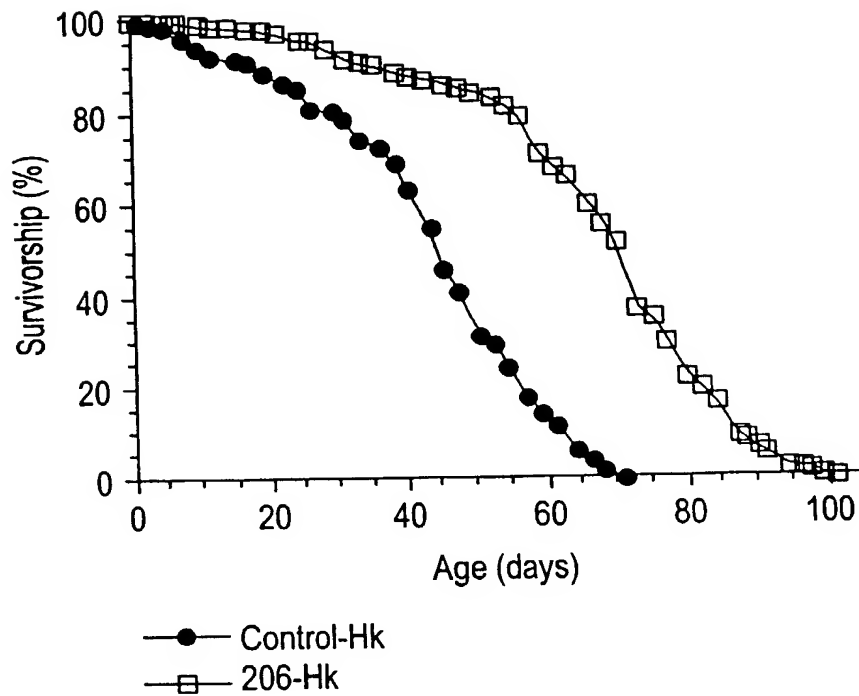
FIG. 5





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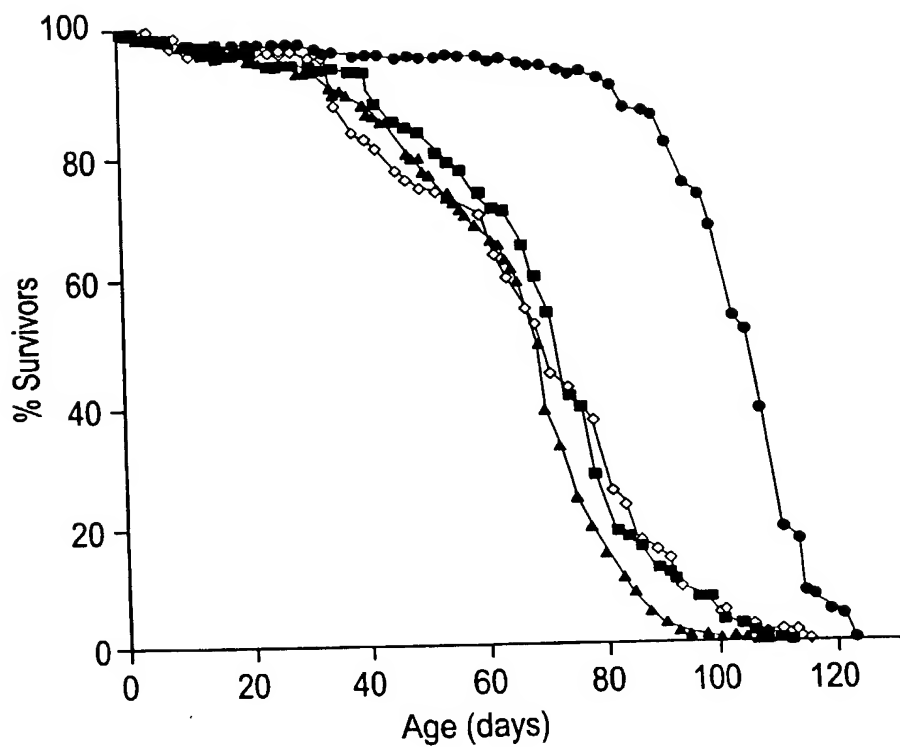
FIG. 6





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FIG. 7



- 1L6 & 206
- 1L6 & wg
- ▲— 1L6
- ◇— 1L6 & 1085



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FIG. 8

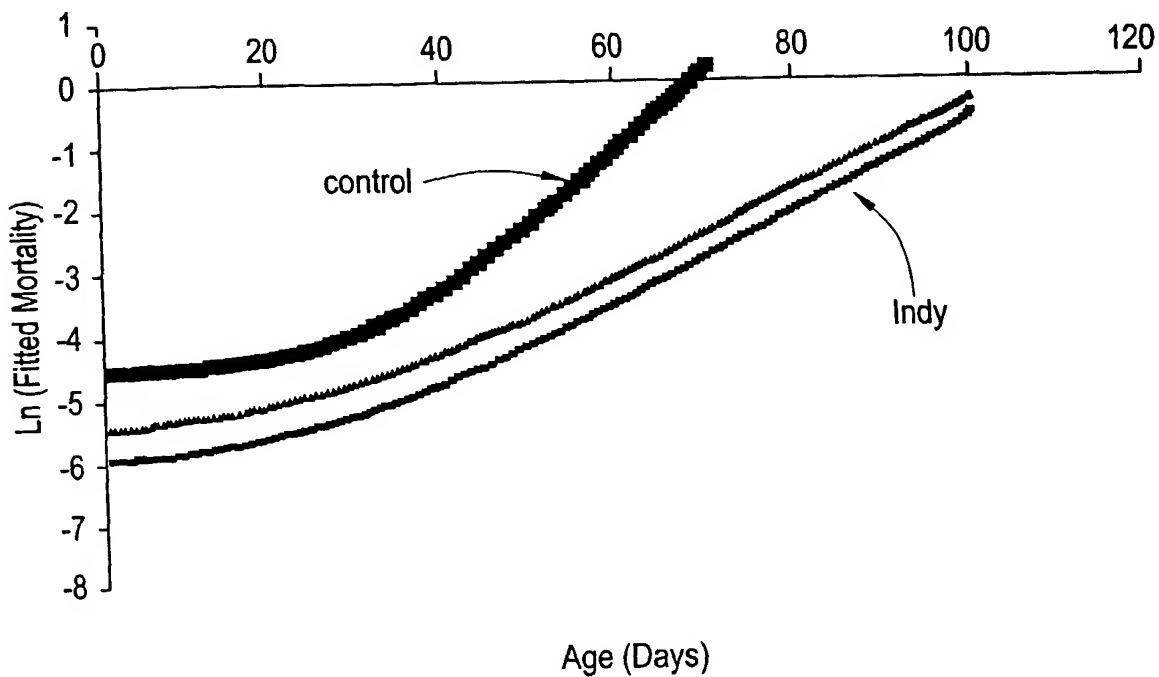




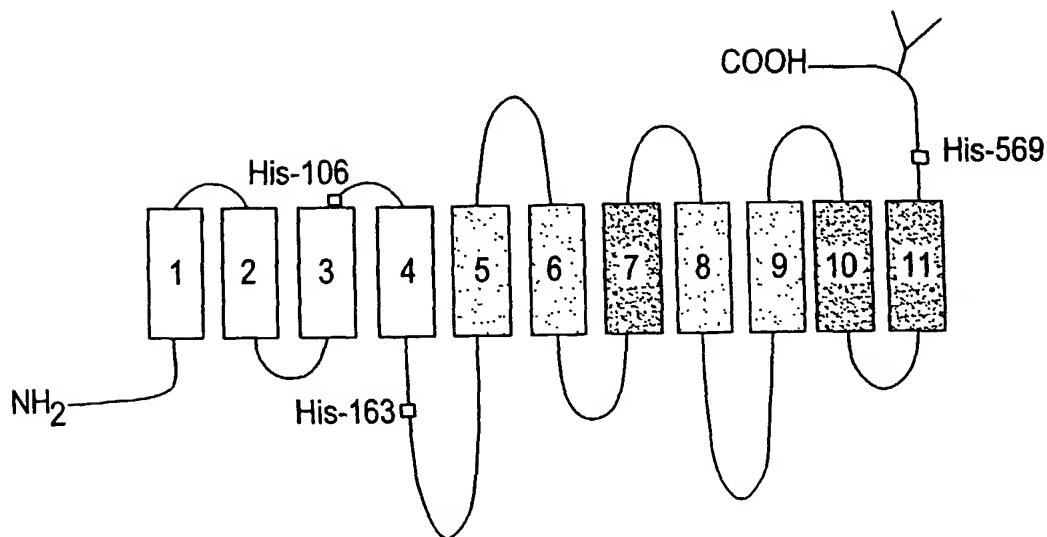
FIG. 9

1: MEI EI GEOPPPV KOSNEFANHWGLVFLVLPVLPVLLI NEGAECFRCMLLVMAIWMTEALPLVWTSMPIVAFPIVGISSDCTLORLVFKOTLVWFM102
INDY-2 ~MAEPGEORKEVFGCCI F... HWGASITPLITPLIYFGQTIVAEFKOWLIVMAIWMTEALPLVWTSMPIVAFPIVGISSDCTLORLVFKOTLVWFM102
1: ~MAEPGEORKEVFGCCI F... HWGASITPLITPLIYFGQTIVAEFKOWLIVMAIWMTEALPLVWTSMPIVAFPIVGISSDCTLORLVFKOTLVWFM102
hNaDC-1 ~MAEPGEORKEVFGCCI F... HWGASITPLITPLIYFGQTIVAEFKOWLIVMAIWMTEALPLVWTSMPIVAFPIVGISSDCTLORLVFKOTLVWFM102
SDCT1 ~MAEPGEORKEVFGCCI F... HWGASITPLITPLIYFGQTIVAEFKOWLIVMAIWMTEALPLVWTSMPIVAFPIVGISSDCTLORLVFKOTLVWFM102
SDCT2 ~MAEPGEORKEVFGCCI F... HWGASITPLITPLIYFGQTIVAEFKOWLIVMAIWMTEALPLVWTSMPIVAFPIVGISSDCTLORLVFKOTLVWFM102
103: CGITVALGIBYSNHLHRTALRWLVGSPRLFYGLTSVSTETGIMISAGTAMWCPVKAIVNGLDINMIHPWITTOEEEPVee...189
INDY-2 CGITVALGIBYSNHLHRTALRWLVGSPRLFYGLTSVSTETGIMISAGTAMWCPVKAIVNGLDINMIHPWITTOEEEPVee...189
hNaDC-1 CGITVALGIBYSNHLHRTALRWLVGSPRLFYGLTSVSTETGIMISAGTAMWCPVKAIVNGLDINMIHPWITTOEEEPVee...189
SDCT1 CGITVALGIBYSNHLHRTALRWLVGSPRLFYGLTSVSTETGIMISAGTAMWCPVKAIVNGLDINMIHPWITTOEEEPVee...189
SDCT2 CGITVALGIBYSNHLHRTALRWLVGSPRLFYGLTSVSTETGIMISAGTAMWCPVKAIVNGLDINMIHPWITTOEEEPVee...189
191: LDNGOALPVTSSASSBAHLKSOHLHITQCVSLQVYSSASGedaTGTAPNVLCCGnsLpQNGWnLAswFGaFPLM...FLLVGMW...SFLYGeTS:303
INDY-2 LDNGOALPVTSSASSBAHLKSOHLHITQCVSLQVYSSASGedaTGTAPNVLCCGnsLpQNGWnLAswFGaFPLM...FLLVGMW...SFLYGeTS:303
hNaDC-1 LDNGOALPVTSSASSBAHLKSOHLHITQCVSLQVYSSASGedaTGTAPNVLCCGnsLpQNGWnLAswFGaFPLM...FLLVGMW...SFLYGeTS:303
SDCT1 LDNGOALPVTSSASSBAHLKSOHLHITQCVSLQVYSSASGedaTGTAPNVLCCGnsLpQNGWnLAswFGaFPLM...FLLVGMW...SFLYGeTS:303
SDCT2 LDNGOALPVTSSASSBAHLKSOHLHITQCVSLQVYSSASGedaTGTAPNVLCCGnsLpQNGWnLAswFGaFPLM...FLLVGMW...SFLYGeTS:303
201: SEGHAEDVEAPLEPDDSKKEEHRHRTWKGLISIPYSSASGedaTGTAPNVLCCGnsLpQNGWnLAswFGaFPLM...FLLVGMW...SFLYGeTS:303
INDY-2 SEGHAEDVEAPLEPDDSKKEEHRHRTWKGLISIPYSSASGedaTGTAPNVLCCGnsLpQNGWnLAswFGaFPLM...FLLVGMW...SFLYGeTS:303
hNaDC-1 SEGHAEDVEAPLEPDDSKKEEHRHRTWKGLISIPYSSASGedaTGTAPNVLCCGnsLpQNGWnLAswFGaFPLM...FLLVGMW...SFLYGeTS:303
SDCT1 SEGHAEDVEAPLEPDDSKKEEHRHRTWKGLISIPYSSASGedaTGTAPNVLCCGnsLpQNGWnLAswFGaFPLM...FLLVGMW...SFLYGeTS:303
SDCT2 SEGHAEDVEAPLEPDDSKKEEHRHRTWKGLISIPYSSASGedaTGTAPNVLCCGnsLpQNGWnLAswFGaFPLM...FLLVGMW...SFLYGeTS:303
280: WHP KSKLACEVORCEGADVKKVITOPVKTGPMSIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
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SDCT1 WHP KSKLACEVORCEGADVKKVITOPVKTGPMSIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
SDCT2 WHP KSKLACEVORCEGADVKKVITOPVKTGPMSIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
294: fRP NSKLGKI LKeanNRKLMEDVIFORHDLGPMSCHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
INDY-2 fRP NSKLGKI LKeanNRKLMEDVIFORHDLGPMSCHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
hNaDC-1 fRP NSKLGKI LKeanNRKLMEDVIFORHDLGPMSCHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
SDCT1 fRP NSKLGKI LKeanNRKLMEDVIFORHDLGPMSCHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
SDCT2 fRP NSKLGKI LKeanNRKLMEDVIFORHDLGPMSCHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
380: RRGRVPTGTPSLITVKEFLQTKVPVGLVFLVLCGGALVAGSREIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
INDY-2 RRGRVPTGTPSLITVKEFLQTKVPVGLVFLVLCGGALVAGSREIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
hNaDC-1 RRGRVPTGTPSLITVKEFLQTKVPVGLVFLVLCGGALVAGSREIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
SDCT1 RRGRVPTGTPSLITVKEFLQTKVPVGLVFLVLCGGALVAGSREIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
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394: DPENPGKLPALGIDWKTIVNQWPNVILVLCGGALVAGSREIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
INDY-2 DPENPGKLPALGIDWKTIVNQWPNVILVLCGGALVAGSREIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
hNaDC-1 DPENPGKLPALGIDWKTIVNQWPNVILVLCGGALVAGSREIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
SDCT1 DPENPGKLPALGIDWKTIVNQWPNVILVLCGGALVAGSREIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
SDCT2 DPENPGKLPALGIDWKTIVNQWPNVILVLCGGALVAGSREIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
402: DFKaPNSKETEP...SWMKAGEIVPNVILVLCGGALVAGSREIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
INDY-2 DFKaPNSKETEP...SWMKAGEIVPNVILVLCGGALVAGSREIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
hNaDC-1 DFKaPNSKETEP...SWMKAGEIVPNVILVLCGGALVAGSREIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
SDCT1 DFKaPNSKETEP...SWMKAGEIVPNVILVLCGGALVAGSREIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
SDCT2 DFKaPNSKETEP...SWMKAGEIVPNVILVLCGGALVAGSREIHEI QVMLEIFMWMYFETKPGELGABLI...NSK...DTRNSMPTLEVWVGMELPANNVAFHYCT:379
486: VLLPACACOSNAELPVSTPRNALVAGVANRUKMDAAGIPTITILVFCOVLGVVYVPLNLSPEWAGIYAAAGLVNTH...562
INDY-2 VLLPACACOSNAELPVSTPRNALVAGVANRUKMDAAGIPTITILVFCOVLGVVYVPLNLSPEWAGIYAAAGLVNTH...562
hNaDC-1 VLLPACACOSNAELPVSTPRNALVAGVANRUKMDAAGIPTITILVFCOVLGVVYVPLNLSPEWAGIYAAAGLVNTH...562
SDCT1 VLLPACACOSNAELPVSTPRNALVAGVANRUKMDAAGIPTITILVFCOVLGVVYVPLNLSPEWAGIYAAAGLVNTH...562
SDCT2 VLLPACACOSNAELPVSTPRNALVAGVANRUKMDAAGIPTITILVFCOVLGVVYVPLNLSPEWAGIYAAAGLVNTH...562
495: VmLPCTLAASAEMLPVATPPNALVFSI9GKVSIDMAGFLLNIGVITISINSIPILKIDTSPSWH...587
INDY-2 VmLPCTLAASAEMLPVATPPNALVFSI9GKVSIDMAGFLLNIGVITISINSIPILKIDTSPSWH...587
hNaDC-1 VmLPCTLAASAEMLPVATPPNALVFSI9GKVSIDMAGFLLNIGVITISINSIPILKIDTSPSWH...587
SDCT1 VmLPCTLAASAEMLPVATPPNALVFSI9GKVSIDMAGFLLNIGVITISINSIPILKIDTSPSWH...587
SDCT2 VmLPCTLAASAEMLPVATPPNALVFSI9GKVSIDMAGFLLNIGVITISINSIPILKIDTSPSWH...587
506: VmLPCTLAASAEMLPVATPPNALVFSI9GKVSIDMAGFLLNIGVITISINSIPILKIDTSPSWH...587
INDY-2 VmLPCTLAASAEMLPVATPPNALVFSI9GKVSIDMAGFLLNIGVITISINSIPILKIDTSPSWH...587
hNaDC-1 VmLPCTLAASAEMLPVATPPNALVFSI9GKVSIDMAGFLLNIGVITISINSIPILKIDTSPSWH...587
SDCT1 VmLPCTLAASAEMLPVATPPNALVFSI9GKVSIDMAGFLLNIGVITISINSIPILKIDTSPSWH...587
SDCT2 VmLPCTLAASAEMLPVATPPNALVFSI9GKVSIDMAGFLLNIGVITISINSIPILKIDTSPSWH...587



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FIG. 10



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FIG. 11B



FIG. 11D

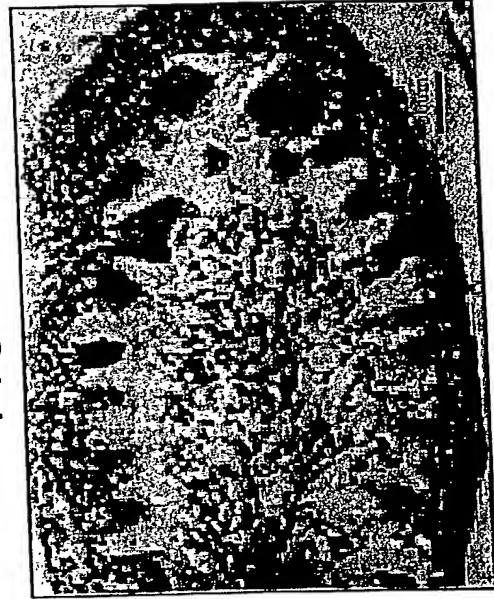


FIG. 11A



FIG. 11C





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FIG. 12B



FIG. 12D



FIG. 12A



FIG. 12C





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FIG. 13

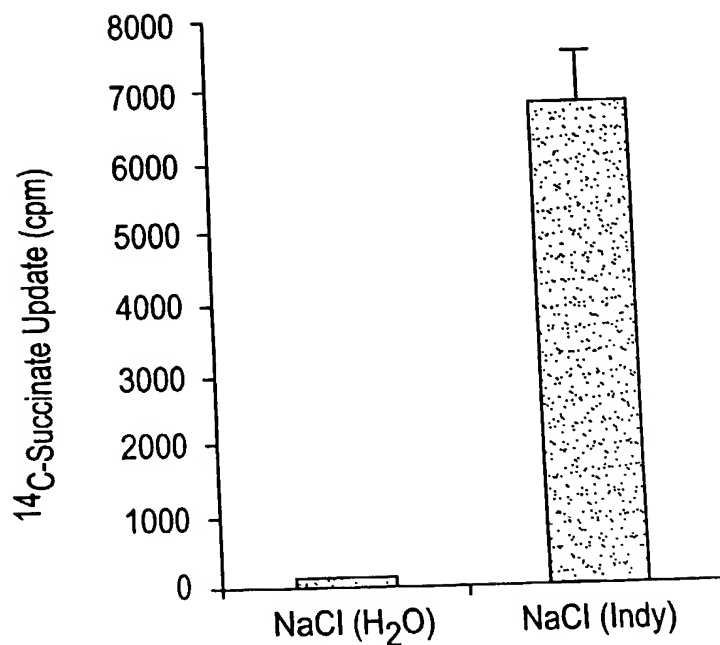
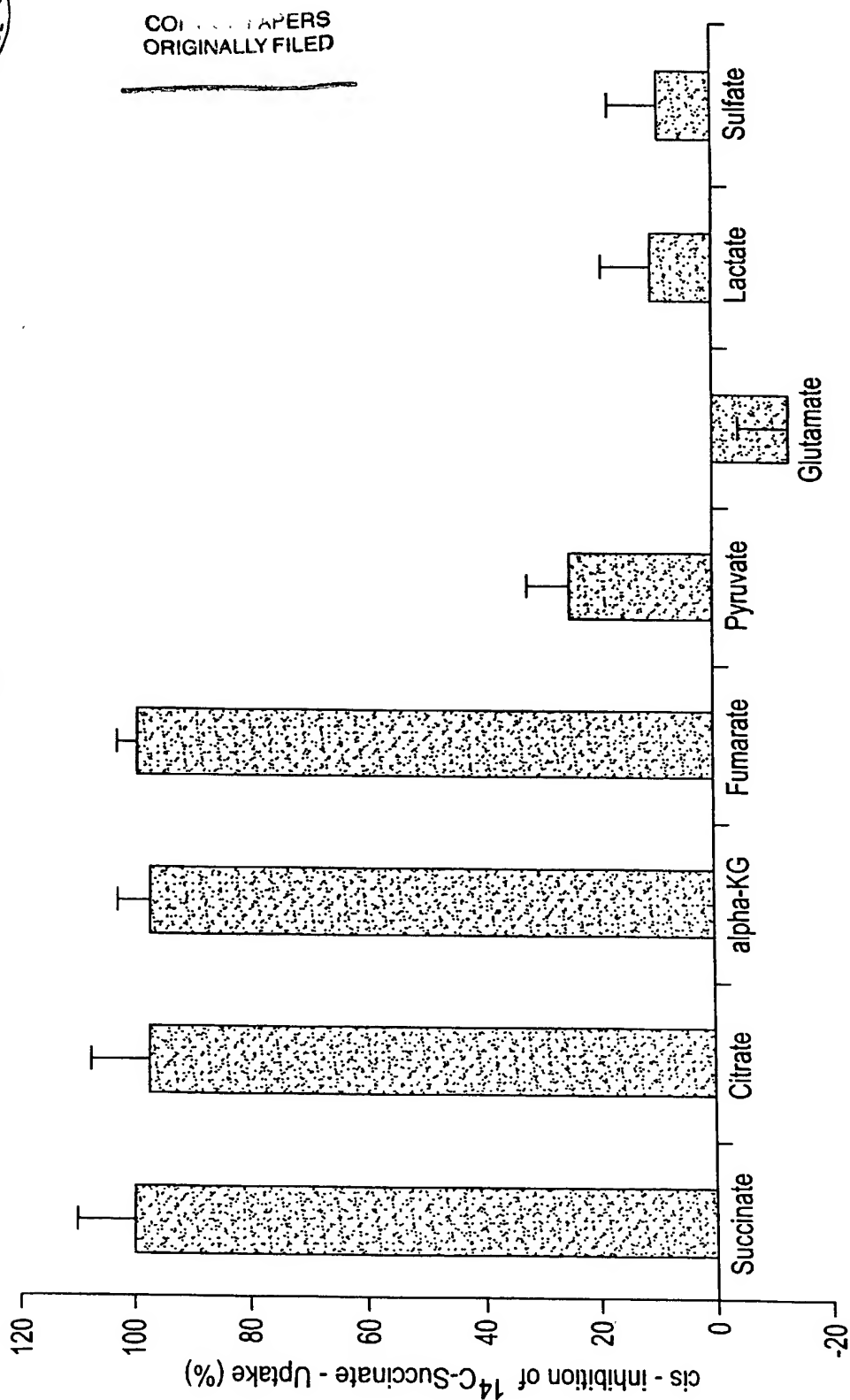




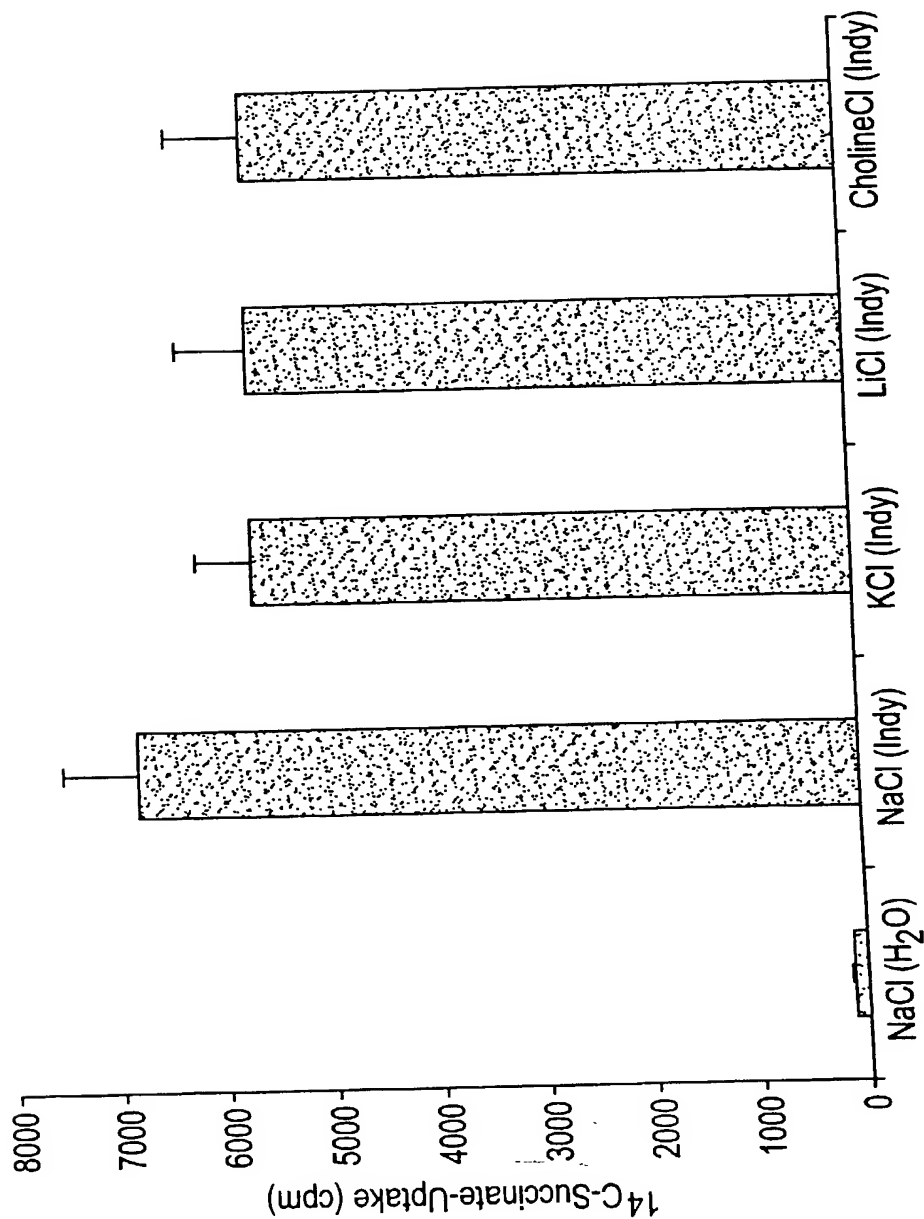
FIG. 14





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FIG. 15

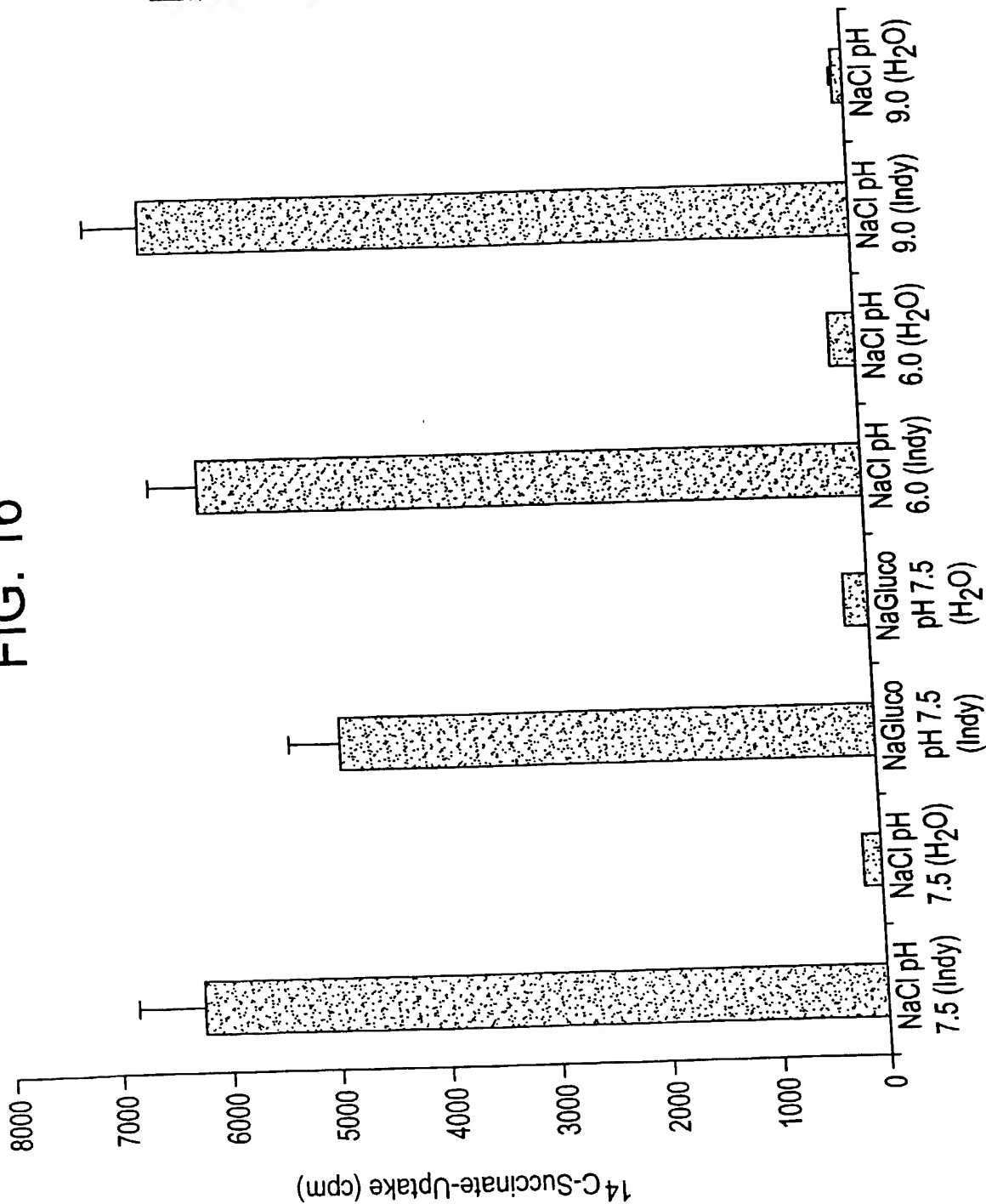




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FIG. 16

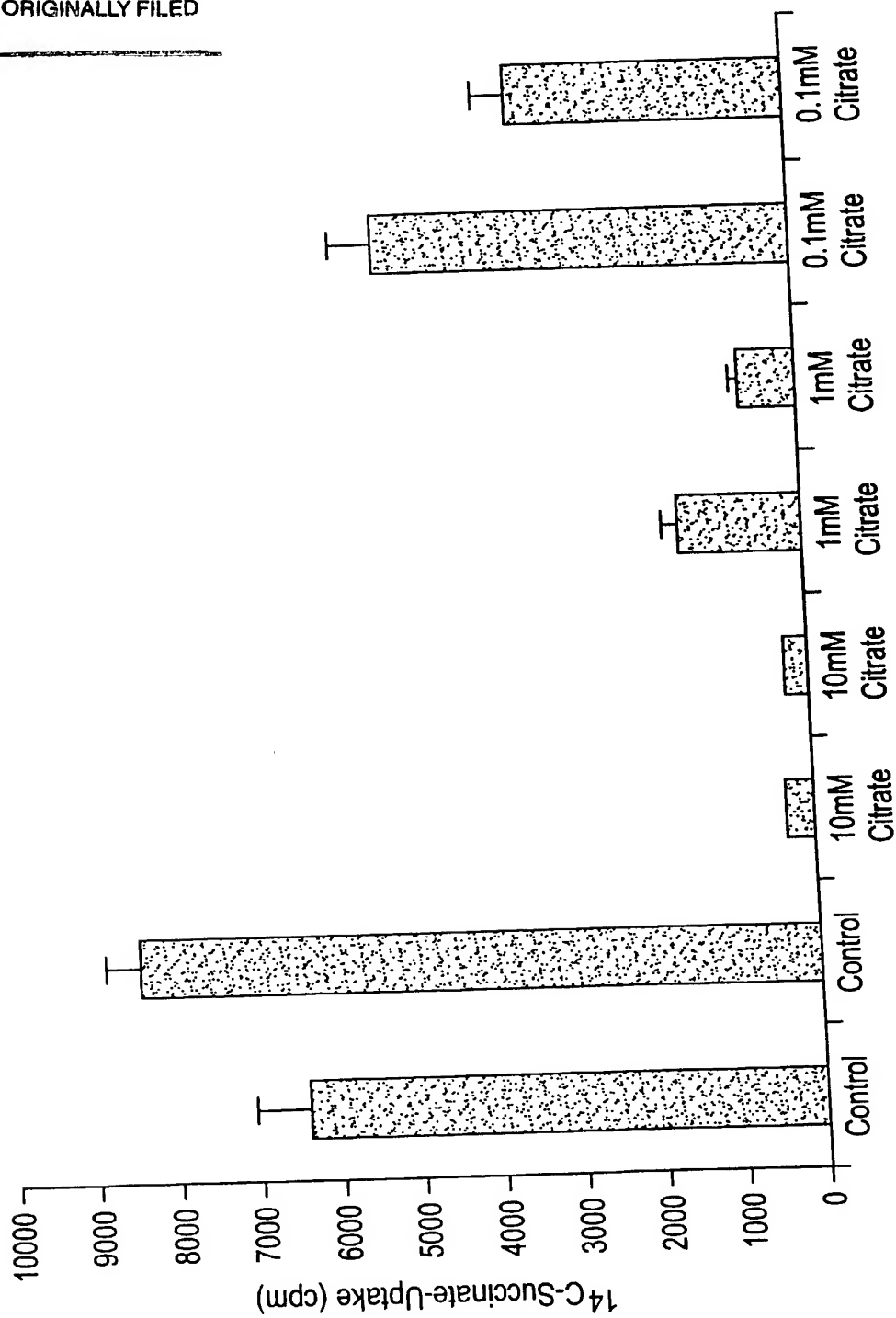




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FIG. 17

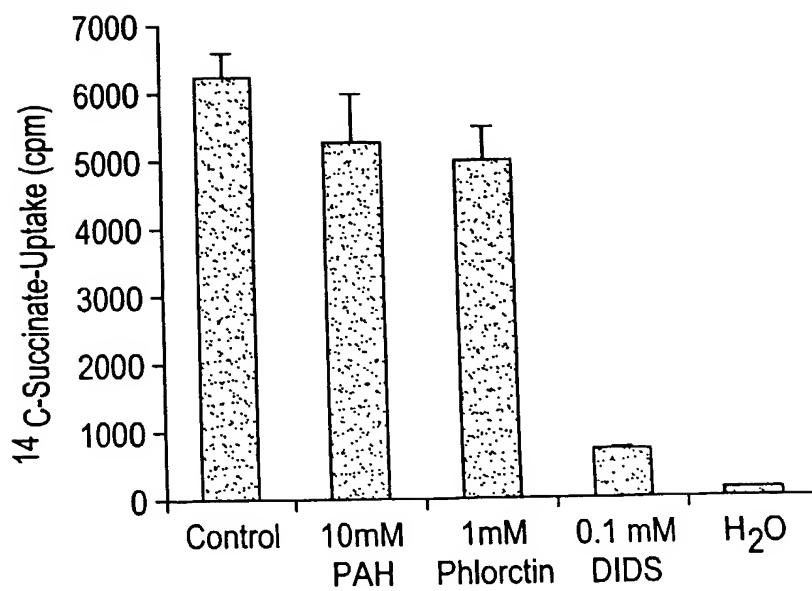




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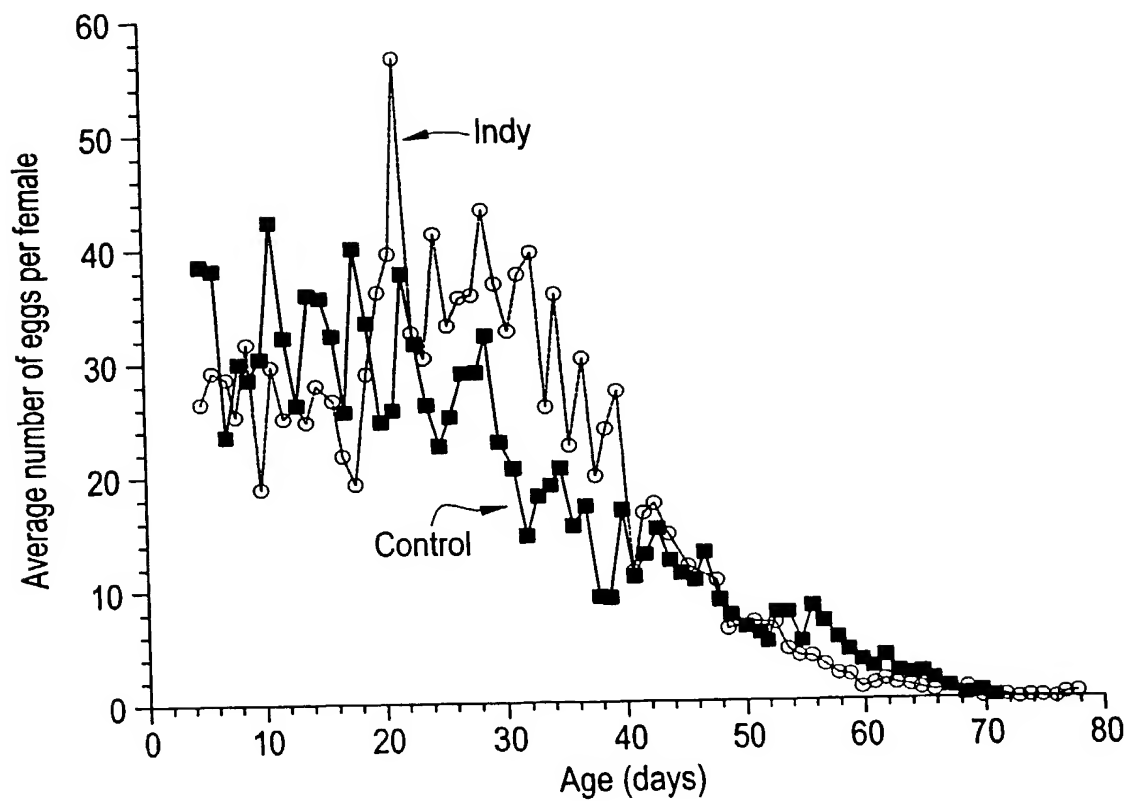
FIG. 18





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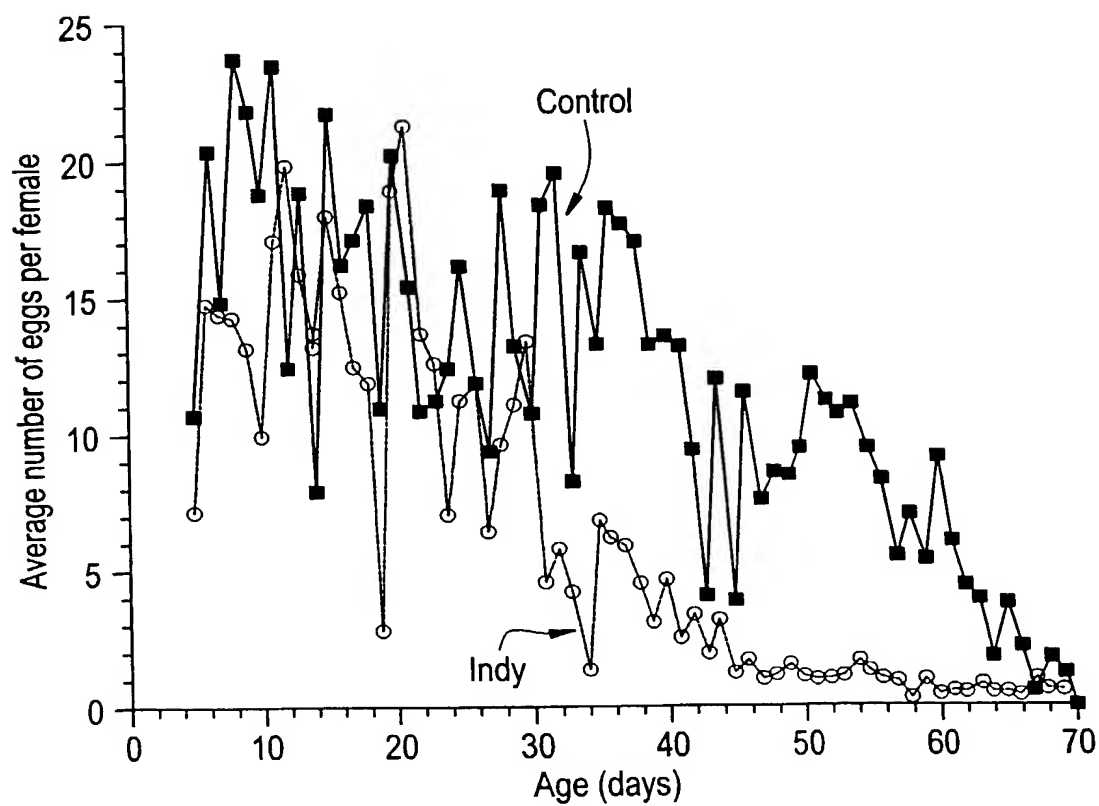
FIG. 19





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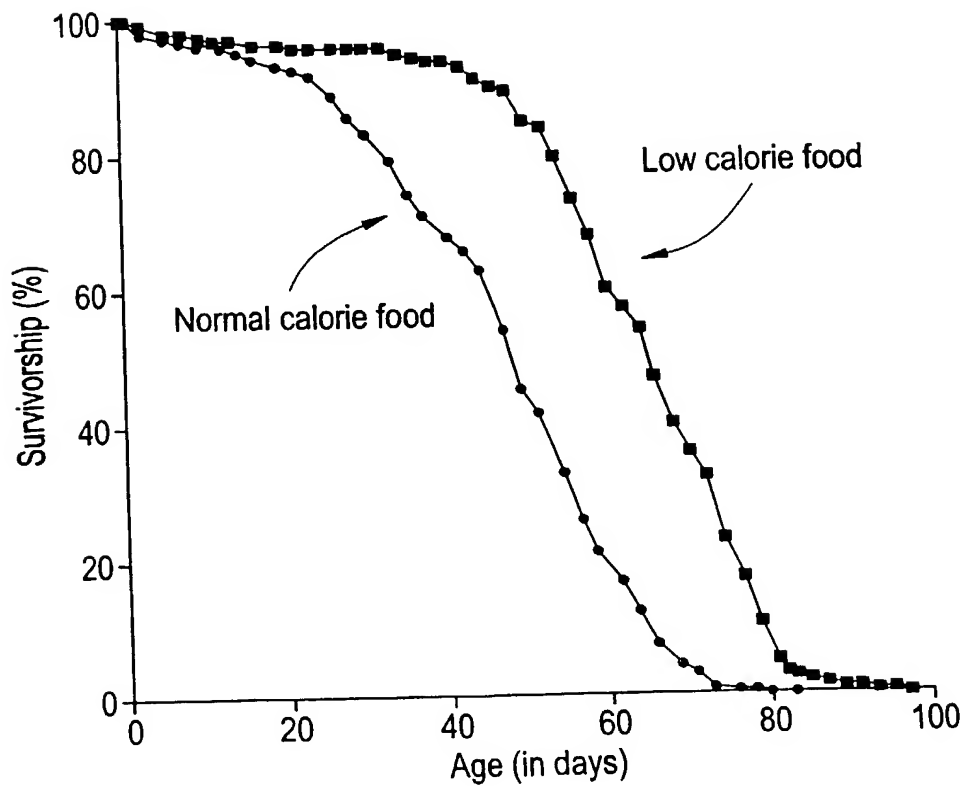
FIG. 20

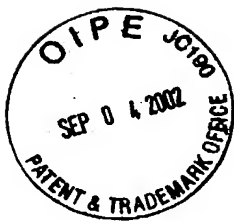




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FIG. 21





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FIG. 22

